



ATTORNEY DOCKET NO. 044574-8061

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JUL 16 2002  
TECH CENTER 600/2900

#15  
nb  
07/16/02

In re Application of:

John CARLSON *et al.*

Application No.: 09/491,577

Filed: January 25, 2000

For: *DROSOPHILIA* ODORANT RECEPTORS (Amended)

)  
)  
)  
)  
) Group Art Unit: 1646  
)  
) Examiner: Joseph Murphy  
)  
)

Commissioner of Patents  
Washington, D.C. 20231

Sir:

**NOTICE OF APPEAL TO THE  
BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicants hereby appeal to the Board of Patent Appeals and Interferences from the decision of the Examiner dated March 12, 2002, rejecting claims 27-36 and 43-45.

A Petition for a one (1) month extension of time responding to the final rejection is being filed concurrently herewith.

The Commissioner is hereby authorized to charge Deposit Account No. 50-0310 in the amount of \$160.00 for a Notice of Appeal. The Commissioner is hereby authorized to charge any additional extension of time fee or additional fee for claims due to Deposit Account No. 50-0310.

**Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §1.16 and §1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-

07/12/2002 CHNGUYEN 00000129 500310 09491577

02 FC:219 160.00 CH

0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS

Dated: July 11, 2002

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Erich E. Veitenheimer

Reg. No. 40,420

# Sequence Comparison A

RESULT 3  
AC004121  
LOCUS AC004121 18443 bp DNA INV 04-FEB-1998  
DEFINITION Drosophila melanogaster (P1 DS05342 (D92)) DNA sequence, complete sequence.  
ACCESSION AC004121 AC001997 AC002955 AC001996 AC002954 AC001998 AC003647  
VERSION AC004121.1 GI:2829850  
KEYWORDS HTG.  
SOURCE Drosophila melanogaster (Subclones in pOT2 from P1 clone DS05342 (D92)) DNA.  
ORGANISM Drosophila melanogaster  
Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
Pterygota; Neoptera; Endopterygota; Diptera; Brachycera;  
Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.  
REFERENCE 1 (bases 1 to 18443)  
AUTHORS Celniker,S.E., Aghavani,A., Arcaina,T.T., Baxter,E., Doyle,C.M., Farfan,D.E., Flanagan,J., Houston,K.A., Hummasti,S.R., Karra,K., Kearney,L., Kim,S.H., Ko,C.L., Li,M., Lomotan,M.A., Mazda,P., Mok,M.S., Nixon,K., Pacleb,J.M., Park,S., Pfeiffer,B., Punch,D., Santos,R.F., Snir,E., Stevko,V., Subramanian,S., Towne,B., Wan,K.H., Whitelaw,K.R., Yee,A., Zhang,R., Zieran,L.L. and Kimmel,B.  
TITLE Sequencing of Drosophila chromosome 2L, region 22A  
JOURNAL Unpublished (1997)  
REFERENCE 2 (bases 1 to 18443)  
AUTHORS Celniker,S.E., Aghavani,A., Arcaina,T.T., Baxter,E., Doyle,C.M., Farfan,D.E., Flanagan,J., Houston,K.A., Hummasti,S.R., Karra,K., Kearney,L., Kim,S.H., Ko,C.L., Li,M., Lomotan,M.A., Mazda,P., Mok,M.S., Nixon,K., Pacleb,J.M., Park,S., Pfeiffer,B., Punch,D., Santos,R.F., Snir,E., Stevko,V., Subramanian,S., Towne,B., Wan,K.H., Whitelaw,K.R., Yee,A., Zhang,R., Zieran,L.L. and Kimmel,B.  
TITLE Direct Submission  
JOURNAL Submitted (04-FEB-1998) Berkeley Drosophila Genome Project, MS 64-121, Lawrence Berkeley National Laboratory, One Cyclotron Road, Berkeley, CA 94720, US  
COMMENT Sequence submitted by:  
Berkeley Drosophila Genome Project  
Lawrence Berkeley National Laboratory, MS 64-121  
Berkeley, CA 94720  
For further information about this sequence, including its location and relationship to other sequences, please visit our sequence archive Web site (<http://www-hgc.lbl.gov/sequence-archive.html>) or send email to [drosophila@genome.lbl.gov](mailto:drosophila@genome.lbl.gov).  
Library location: 56-62.  
This P1 was assembled from the following subclones: 1\_h2 (AC001997), 2\_g5 (AC002955), 1\_c11 (AC001996), 1\_c2 (AC002954), 2\_g9 (AC001998), 1\_a12, 1\_a5 (AC003647).  
FEATURES  
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/map="22A-22A"  
/clone="P1 DS05342 (D92)"  
BASE COUNT 5243 a 3816 c 3821 g 5563 t  
ORIGIN

Query Match 78.0%; Score 928.4; DB 4; Length 18443;  
Best Local Similarity 86.2%; Pred. No. 3e-266;  
Matches 1128; Conservative 0; Mismatches 1; Indels 179; Gaps 2;

Qy 1 atgtttaagcaagttttttcccccacataaaagaaaagccattgagcgagcggttaagtcc 60  
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Db 13596 ATGTTAAGCAAGTTTTTCCCCACATAAAAGAAAAGCCATTGAGCGAGCGGGTTAAGTCC 13655  
 Qy 61 cgagatgccttcatttacttggatcggtgatgtggtcctttggctggacagagcctgaa 120  
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 Db 13656 CGAGATGCCTTCATTACTTGGATCGGGTGATGTGGTCCTTTGGCTGGACAGAGCCTGAA 13715  
 Qy 121 aaca----- 124  
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 Db 13716 AACAAAAGGTAATGAAATCAATGTAAGCACATATATAAGTATTAAAGCTACCATAATTTC 13775  
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 Db 13776 CCGTAAAGTGATCCTTCCTTATAAACTGTGGTTAGCGTTCGTGAACATAGTAATGCTC 13835  
 Qy 181 atccttctgccgatctcgataagcatcgagtacctccaccgatttaaaaccttctcggcg 240  
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 Db 13836 ATCCTTCTGCCGATCTCGATAAGCATCGAGTACCTCCACCGATTAAACCTTCTCGGCG 13895  
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